

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-033188

(43)Date of publication of application : 04.02.2003

(51)Int.CI.

C12N 15/09  
C12N 1/21  
C12N 9/00  
C12P 17/18  
//(C12N 1/21  
C12R 1:465 )  
(C12N 9/00  
C12R 1:465 )  
(C12P 17/18  
C12R 1:465 )

(21)Application number : 2001-318232

(71)Applicant : KYOWA HAKKO KOGYO CO LTD  
KITASATO INST:THE

(22)Date of filing : 16.10.2001

(72)Inventor : OMURA SATOSHI  
IKEDA HARUO  
ENDO HIROBUMI

(30)Priority

Priority number : 2001142941 Priority date : 14.05.2001 Priority country : JP

---

## (54) METHOD FOR PRODUCING AVERMECTIN DERIVATIVE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for directly producing an avermectin derivative by a fermentation process.

SOLUTION: The avermectin derivative is directly produced by the fermentation process by using a gene encoding of a modified avermectin aglycone synthase added with the enzymic domain of a polyketidoaglycone synthase.

---

## LEGAL STATUS

[Date of request for examination] 26.05.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]